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(FILE 'HOME' ENTERED AT 15:50:09 ON 07 MAR 2005)

FILE 'HCAPLUS' ENTERED AT 15:50:16 ON 07 MAR 2005

E DE1999-19921886/AP.PRN

L1 1 DE1999-19921886/AP.PRN

E W02000-EP4013/AP.PRN

L2 1 W02000-EP4013/AP.PRN

L3 1 L1-2

FILE 'REGISTRY' ENTERED AT 15:51:01 ON 07 MAR 2005

FILE 'HCAPLUS' ENTERED AT 15:51:04 ON 07 MAR 2005

L4 TRA L3 1- RN : 27 TERMS

FILE 'REGISTRY' ENTERED AT 15:51:04 ON 07 MAR 2005

L5 27 SEA L4

FILE 'WPIX' ENTERED AT 15:51:06 ON 07 MAR 2005

E DE1999-19921886/AP.PRN

L6 1 DE1999-19921886/AP.PRN

E W02000-EP4013/AP.PRN

L7 1 W02000-EP4013/AP.PRN

L8 1 L6-7

=> b hcap

FILE 'HCAPLUS' ENTERED AT 15:51:46 ON 07 MAR 2005

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FILE COVERS 1907 - 7 Mar 2005 VOL 142 ISS 11

FILE LAST UPDATED: 6 Mar 2005 (20050306/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L3 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 2000:807725 HCAPLUS

DN 133:350059

ED Entered STN: 16 Nov 2000

TI Herbicidal N-cyano-amidines

IN Gesing, Ernst R. F.; Hense, Achim; Kather, Kristian; Lehr, Stefan; Riebel, Hans-Jochem; Rohe, Lothar; Voigt, Katharina; Drewes, Mark Wilhelm; Feucht, Dieter; Pontzen, Rolf; Wetcholowsky, Ingo

PA Bayer A.-G., Germany

SO Ger. Offen., 14 pp.

CODEN: GWXXBX

DT Patent

LA German
 IC ICM C07C261-04
 ICS A01N047-40; C07D215-38; C07D221-04; C07D333-50; C07D335-06;
 C07D311-04
 CC 25-24 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
 Section cross-reference(s): 5

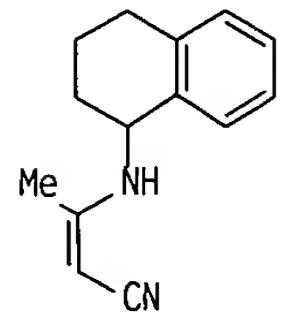
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PRAI	DE 1999-19921886 WO 2000-EP4013	A W	19990512 20000504	<- <-	

CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	DE 19921886	ICM ICS	C07C261-04 A01N047-40; C07D215-38; C07D221-04; C07D333-50; C07D335-06; C07D311-04
	DE 19921886	ECLA	A01N047/40; C07C261/04; C07D333/54B
OS	MARPAT 133:350059		<-

GI



AB N-Cyano-amidines R2NHCR1:NCN [R1 = H, (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl; R2 = (un)substituted benzannellated, pyridoannellated, thienoannellated cycloalk(en)yl, oxacycloalk(en)yl or thiacycloalk(en)yl] were prepared for use as herbicides. Thus, NCN:CMeOMe was treated with 1,2,3,4-tetrahydro-1-naphthylamine to give the cyano amidine I. I was effective in both pre- and post-emergence tests.

ST cyano amidine prep herbicide

IT Herbicides
(preparation of herbicidal N-cyano-amidines)IT 306284-52-6P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of herbicidal N-cyano-amidines)

IT 255374-61-9P 255374-62-0P 255374-63-1P 255374-64-2P 255374-65-3P
 255374-66-4P 306284-53-7P 306284-54-8P 306284-55-9P 306284-56-0P
 306284-57-1P 306284-58-2P 306284-59-3P 306284-60-6P 306284-61-7P
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 306284-67-3P 306284-68-4P 306284-69-5P 306284-70-8P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of herbicidal N-cyano-amidines)

IT 2217-40-5, 1,2,3,4-Tetrahydro-1-naphthylamine 5652-84-6
 RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of herbicidal N-cyano-amidines)

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STRUCTURE FILE UPDATES: 4 MAR 2005 HIGHEST RN 842949-55-7
 DICTIONARY FILE UPDATES: 4 MAR 2005 HIGHEST RN 842949-55-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

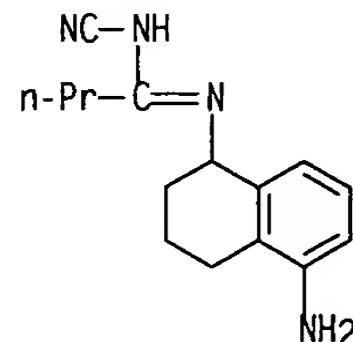
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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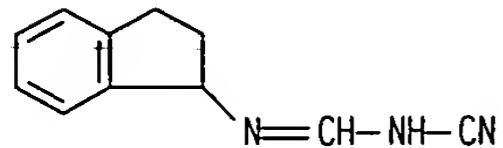
L5 ANSWER 1 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 306284-70-8 REGISTRY
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 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H20 N4
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA CAplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
 (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 2 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 306284-69-5 REGISTRY
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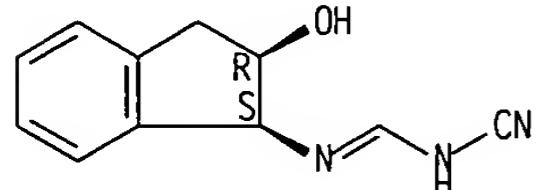


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L5 ANSWER 3 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 306284-68-4 REGISTRY
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 FS STEREOSEARCH
 MF C11 H11 N3 O
 SR CA
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 DT.CA CAplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.



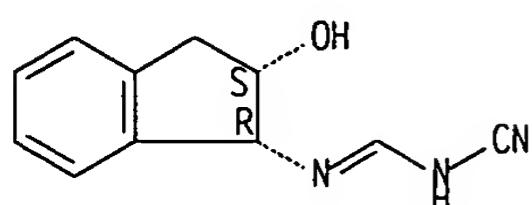
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(Uses)

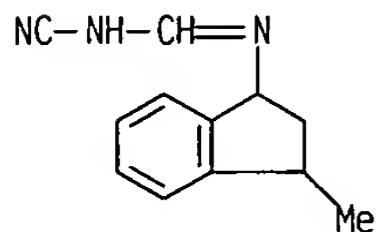
Absolute stereochemistry.



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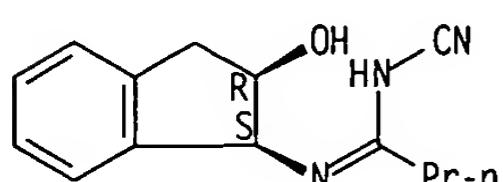


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 RN 306284-65-1 REGISTRY
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 FS STEREOSEARCH
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 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
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Absolute stereochemistry.

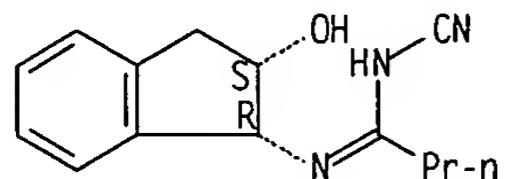


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 RN 306284-64-0 REGISTRY
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 (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C14 H17 N3 O
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Absolute stereochemistry.

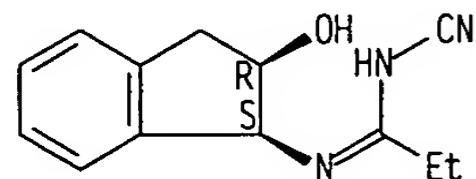


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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 8 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 306284-63-9 REGISTRY
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 (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C13 H15 N3 O
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 LC STN Files: CA, CAPLUS
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 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
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Absolute stereochemistry.



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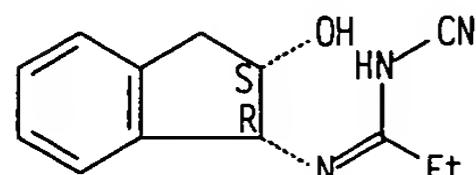
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L5 ANSWER 9 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 306284-62-8 REGISTRY
 CN Propanimidamide, N-cyano-N'-(1R,2S)-2,3-dihydro-2-hydroxy-1H-inden-1-yl]-
 (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
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 SR CA
 LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 10 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN

RN 306284-61-7 REGISTRY

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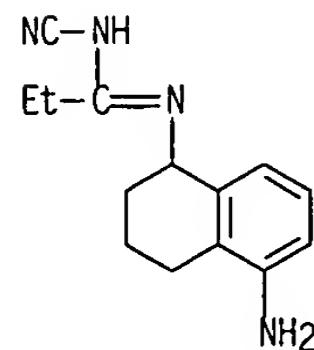
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SR CA

LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 11 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN

RN 306284-60-6 REGISTRY

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FS 3D CONCORD

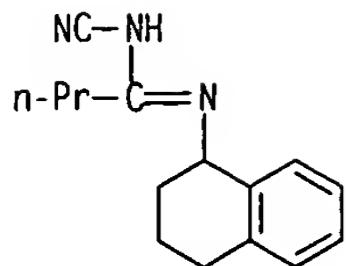
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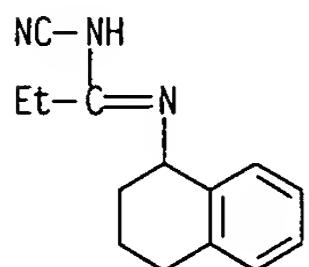
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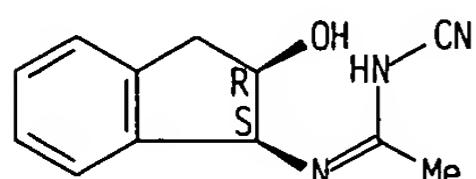


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 MF C12 H13 N3 O
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 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
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Absolute stereochemistry.

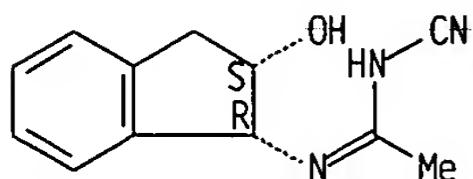


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 RN 306284-57-1 REGISTRY
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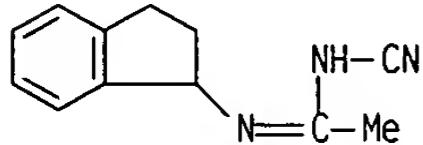
Absolute stereochemistry.



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 RN 306284-56-0 REGISTRY
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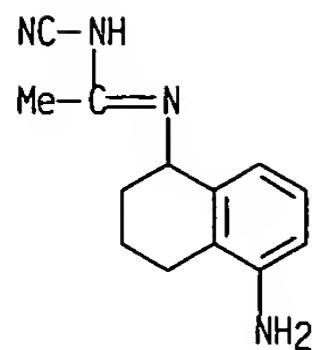


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 RN 306284-55-9 REGISTRY
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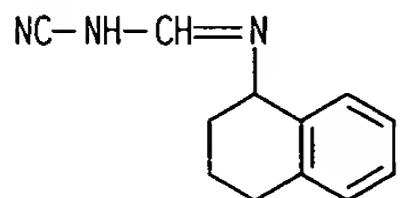
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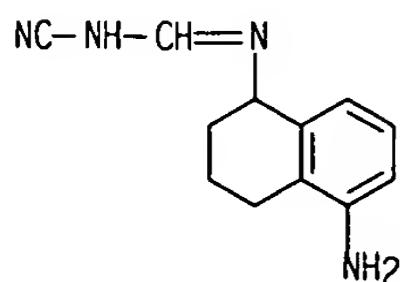
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 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA CAplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
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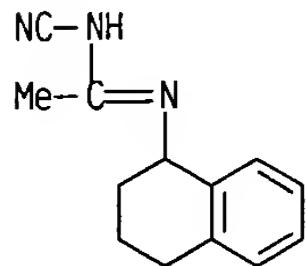
L5 ANSWER 18 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 306284-53-7 REGISTRY
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 LC STN Files: CA, CAPLUS
 DT.CA CAplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
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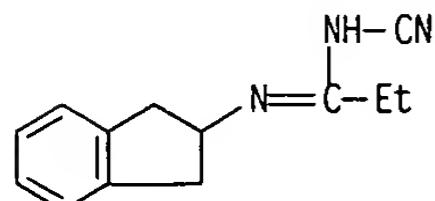
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MF C13 H15 N3
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DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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L5 ANSWER 20 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
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DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

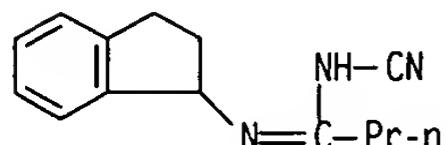


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L5 ANSWER 21 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
RN 255374-65-3 REGISTRY
CN Butanimidamide, N-cyano-N'-(2,3-dihydro-1H-inden-1-yl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C14 H17 N3

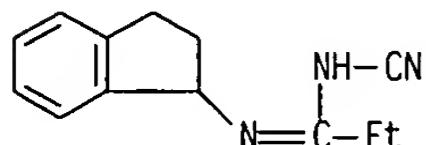
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 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
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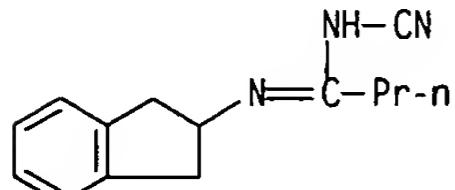
L5 ANSWER 22 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 255374-64-2 REGISTRY
 CN Propanimidamide, N-cyano-N'-(2,3-dihydro-1H-inden-1-yl)- (9CI) (CA INDEX
 NAME)
 FS 3D CONCORD
 MF C13 H15 N3
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA CAplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
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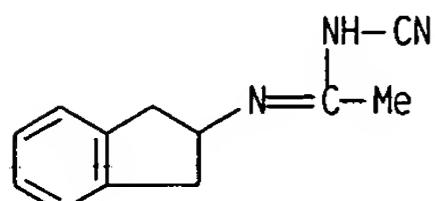
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 RN 255374-63-1 REGISTRY
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 NAME)
 FS 3D CONCORD
 MF C14 H17 N3
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL
 DT.CA CAplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
 (Uses)



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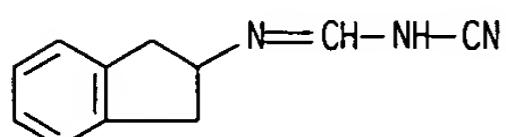
L5 ANSWER 24 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
RN 255374-62-0 REGISTRY
CN Ethanimidamide, N-cyano-N'-(2,3-dihydro-1H-inden-2-yl)- (9CI) (CA INDEX
NAME)
FS 3D CONCORD
MF C12 H13 N3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
(Uses)



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2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 25 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
RN 255374-61-9 REGISTRY
CN Methanimidamide, N-cyano-N'-(2,3-dihydro-1H-inden-2-yl)- (9CI) (CA INDEX
NAME)
FS 3D CONCORD
MF C11 H11 N3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
(Uses)



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2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 26 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN
RN 5652-84-6 REGISTRY
CN Ethanimidic acid, N-cyano-, methyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Acetimidic acid, N-cyano-, methyl ester (7CI, 8CI)
OTHER NAMES:
CN Methyl N-cyanoacetamide
CN Methyl N-cyanoacetimidate
CN N-Cyanoethanimidic acid methyl ester
FS 3D CONCORD
MF C4 H6 N2 O
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST.

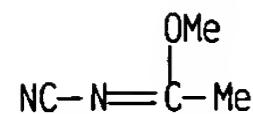
CSCHEM, IFICDB, IFIPAT, IFIUDB, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

DT.CA CAplus document type: Journal: Patent

RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent); NORL (No role in record)

RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent); NORL (No role in record)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

31 REFERENCES IN FILE CA (1907 TO DATE)

31 REFERENCES IN FILE CAPLUS (1907 TO DATE)

2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 27 OF 27 REGISTRY COPYRIGHT 2005 ACS on STN

RN 2217-40-5 REGISTRY

CN 1-Naphthalenamine, 1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Naphthalenamine, 1,2,3,4-tetrahydro-, (.-.-)-

CN 1-Naphthylamine, 1,2,3,4-tetrahydro-, (.-.-)- (7CI, 8CI)

OTHER NAMES:

CN (.-.-)-1,2,3,4-Tetrahydro-.alpha.-naphthylamine

CN (.-.-)-1,2,3,4-Tetrahydro-1-naphthylamine

CN (.-.-)-1-Aminotetralin

CN (RS)-1,2,3,4-Tetrahydro-1-naphthylamine

CN (RS)-1-Aminotetralin

CN 1,2,3,4-Tetrahydro-1-aminonaphthalene

CN 1,2,3,4-Tetrahydro-1-naphthalenamine

CN 1,2,3,4-Tetrahydro-1-naphthylamine

CN 1,2,3,4-Tetrahydronaphthalen-1-ylamine

CN 1-Amino-1,2,3,4-tetrahydronaphthalene

CN 1-Aminotetralin

CN NSC 30349

FS 3D CONCORD

DR 32908-38-6

MF C10 H13 N

CI COM

LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,

CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DETHERM*, EMBASE,

GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, SPECINFO, TOXCENTER, USPAT2,

USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Journal: Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)



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227 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
227 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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FOR DETAILS <<<

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L8 ANSWER 1 OF 1 WPIX COPYRIGHT 2005 THE THOMSON CORP on STN
AN 2001-008620 [02] WPIX
DNC C2001-002374
TI New substituted N-cyano-amidine derivatives useful as herbicides useful
as desiccants and defoliants and especially for weed control.
DC C02 C03
IN DREWES, M W; FEUCHT, D; GESING, E R F; HENSE, A; KATHER, K; LEHR, S;
PONTZEN, R; RIEBEL, H; ROHE, L; VOIGT, K; WETCHOLOWSKY, I
PA (FARB) BAYER AG
CYC 93
PI DE 19921886 A1 20001116 (200102)* 14 C07C261-04

WO 2000069813 A1 20001123 (200102) GE C07C261-00
 RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL
 OA PT SD SE SL SZ TZ UG ZW
 W: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ
 EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
 LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI
 SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
 AU 2000047553 A 20001205 (200113) C07C261-00
 EP 1178956 A1 20020213 (200219) GE C07C261-00
 R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT
 RO SE SI
 BR 2000010447 A 20020213 (200220) C07C261-00
 KR 2002005008 A 20020116 (200249) C07D335-06
 CN 1350517 A 20020522 (200258) C07C261-00
 JP 2002544255 W 20021224 (200313) 39 C07C257-14
 MX 2001011452 A1 20020801 (200367) A01N037-52
 AU 765922 B 20031002 (200373) C07C261-00
 ADT DE 19921886 A1 DE 1999-1021886 19990512; WO 2000069813 A1
 WO 2000-EP4013 20000504; AU 2000047553 A AU 2000-47553 20000504;
 EP 1178956 A1 EP 2000-929495 20000504, WO 2000-EP4013 20000504;
 BR 2000010447 A BR 2000-10447 20000504, WO 2000-EP4013 20000504;
 KR 2002005008 A KR 2001-713596 20011023; CN 1350517 A CN 2000-807457
 20000504; JP 2002544255 W JP 2000-618230 20000504, WO 2000-EP4013
 20000504; MX 2001011452 A1 WO 2000-EP4013 20000504, MX
 2001-11452 20011109; AU 765922 B AU 2000-47553 20000504
 FDT AU 2000047553 A Based on WO 2000069813; EP 1178956 A1 Based on WO
 2000069813; BR 2000010447 A Based on WO 2000069813; JP 2002544255 W Based
 on WO 2000069813; MX 2001011452 A1 Based on WO 2000069813; AU 765922 B
 Previous Publ. AU 2000047553, Based on WO 2000069813
 PRAI DE 1999-19921886 19990512
 IC ICM A01N037-52; C07C257-14; C07C261-00; C07C261-04; C07D335-06
 ICS A01N047-40; C07D215-38; C07D221-04; C07D311-04; C07D333-50
 AB DE 19921886 A UPAB: 20010110
 NOVELTY - New bicyclic and heterobicyclic substituted N-cyanoamidine
 derivatives are claimed.
 DETAILED DESCRIPTION - The bicyclic and heterobicyclic substituted
 N-cyanoamidine derivatives are of formula (I).
 R1 = H or alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, aryl
 or aralkyl (each optionally substituted);
 R2 = benz-, pyrido- or thieno-fused cycloalk(en)yl, oxacycloalk(en)yl
 or thiacycloalk(en)yl (each optionally substituted).
 An INDEPENDENT CLAIM is also included for the preparation of (I).
 ACTIVITY - Herbicidal.
 MECHANISM OF ACTION - None given.
 USE - Compounds (I) are herbicides which can be used as defoliants,
 desiccants and especially weedkillers, e.g. for the selective pre- or
 post-emergence control of monocot and dicot weeds, e.g. Echinochloa,
 Sagittaria, Alopecurus, Galium, Convolvulus and Ranunculus, in monocot and
 dicot crops, e.g. cotton, flax, tobacco, cereals, pineapples and
 asparagus.
 ADVANTAGE - Compounds (I) are more effective than the
 N-cyano-guanidines known from DE 2505301, US 4661520, US 4684398, US
 4689348 and J. Agric. Food Chemical 37 (1989), 809-814.
 Dwg.0/0
 FS CPI
 FA AB; GI; DCN
 MC CPI: C06-A01; C06-A02; C06-B01; C06-D04; C10-A15; C14-U01A; C14-V02;
 C14-V03A; C14-V03B

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